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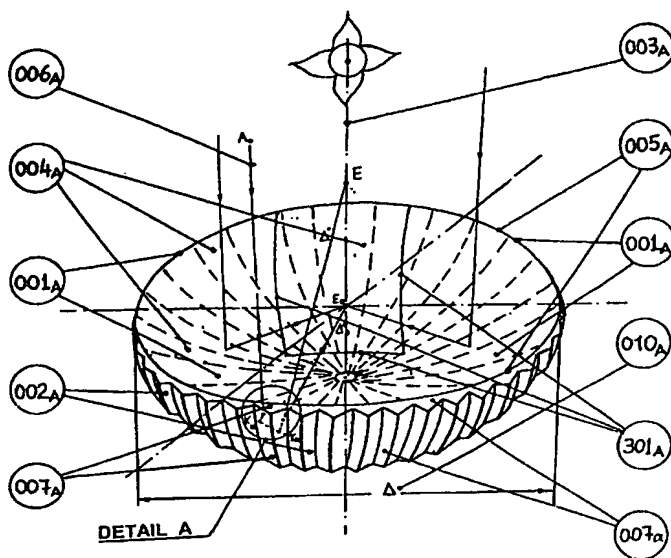
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(54) Title: **HYBRID PHOTOVOLTAIC CONCENTRATING SYSTEM WITH CORRECTED TOTAL REFLECTION REFLECTORS**



(57) Abstract: This invention refers to the development of innovative parabolic and paraboloid total reflection Reflectors with Curved Rectangular Total Reflection Prisms, which raise the imperfection of diffusion at the conventional rectangular prisms of the conventional parabolic and paraboloid TRR so that an accurate focusing and high Concentration (500 till 1500 suns or even more) are succeeded. Also refers to the development of an Innovative Solar Wave Guide with total reflection walls (Solar Artery), with Curved Rectangular Total Reflection Prisms which raise the phenomenon of diffusion (and losses) at the conventional Rectangular prisms of the conventional Hollow Solar Wave Guides and increase, one or even more orders of magnitude, the range of Solar Arteries for the same level of losses.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F24J2/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 4 154 219 A (O'NEILL MARK J ET AL) 15 May 1979 (1979-05-15) abstract; figures	1
A	US 5 056 892 A (COBB JR SANFORD) 15 October 1991 (1991-10-15) abstract; figures	1
A	US 4 444 468 A (MORI KEI) 24 April 1984 (1984-04-24) abstract; figures	1
A	US 4 720 170 A (LEARN JR MARTIN P) 19 January 1988 (1988-01-19) abstract; figures	1

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Information on patent family members

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